MATERIAL SAFETY DATA SHEET
SODIUM CHLORIDE

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Sodium chloride
Synonyms: 
Company Identification: Sisco Research Laboratories Pvt. Ltd.
Andheri (East), Mumbai – 400 099.
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Fax: +91 22 2687 8241
Website: www.srlchem.com

Section 2 - Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>%</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>7647-14-5</td>
<td>Sodium chloride</td>
<td>99+</td>
<td>231-598-3</td>
</tr>
</tbody>
</table>

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Irritating to eyes.

Potential Health Effects
Eye: May cause eye irritation. Exposure to solid may cause pain and redness.
Skin: May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.
Chronic:

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.
Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. May be combustible at high temperatures.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

CAS# 7647-14-5:

**Personal Protective Equipment**

**Eyes:** Wear chemical splash goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Section 9 - Physical and Chemical Properties

Physical State: Crystalline Powder
Color: white
pH: 5.0-8.0 (5% aq. sol. )
Vapor Pressure: 1mmHg @865 deg C
Viscosity: Not available
Boiling Point: 1461 deg C @760mmHg (2,661.80°F)
Freezing/Melting Point: 801 deg C (1,473.80°F)
Specific Gravity/Density: 
Molecular Formula: NaCl
Molecular Weight: 58.44

Section 10 - Stability and Reactivity

Chemical Stability: Stable. Hygroscopic: absorbs moisture or water from the air.

Conditions to Avoid: High temperatures, incompatible materials, exposure to moist air or water.

Incompatibilities with Other Materials: Metals, strong oxidizing agents, strong acids, bromine trifluoride, iron, nitro compounds, steel, dichloromaleic anhydride + urea.

Hazardous Decomposition Products :- Hydrogen chloride, sodium oxide, irritating vapors.

Hazardous Polymerization: Will not occur.
Section 11 - Toxicological Information

RTECS#: CAS# 7647-14-5: VZ4725000

LD50/LC50: RTECS:

CAS# 7647-14-5: Draize test, rabbit, eye: 100 mg Mild;
Draize test, rabbit, eye: 100 mg/24H Moderate;
Draize test, rabbit, eye: 10 mg Moderate;
Draize test, rabbit, skin: 50 mg/24H Mild;
Draize test, rabbit, skin: 500 mg/24H Mild;
Inhalation, rat: LC50 = >42 gm/m3/1H;
Oral, mouse: LD50 = 4 gm/kg;
Oral, rat: LD50 = 3000 mg/kg;
Skin, rabbit: LD50 = >10 gm/kg;

Other:

Carcinogenicity: Sodium chloride - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information. Mutagenicity: Ames-test: negative.

Section 12 - Ecological Information

Ecotoxicity: Fish: Pimephals prome: LC50: 7650 mg/L; 96H;
Daphnia: Daphnia: EC50: 1000 mg/L; 48H;

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

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<th>IMO</th>
<th>RID/ADR</th>
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Shipping Name: Not regulated.
Hazard Class: Not regulated.
UN Number: Not regulated.
Packing Group: Not regulated.
Section 15 - Regulatory Information

European Labeling in Accordance with EC Directives
  Hazard Symbols: Not available
  Risk Phrases:

  Safety Phrases:
    S 24/25 Avoid contact with skin and eyes.

  WGK (Water Danger/Protection)
    CAS# 7647-14-5: 0

  Canada
    CAS# 7647-14-5 is listed on Canada's DSL List

US Federal
  TSCA
    CAS# 7647-14-5 is listed on the TSCA Inventory.

Section 16 - Additional Information

SISCO RESEARCH LABORATORIES provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.